



# Current OTC Initiatives

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# What We Are Working On

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- Further EGU reductions
  - CAIR Plus or a “Next Generation” of national EGU controls
- ICI Boilers
  - Request for national controls on a majority of boilers (NO<sub>x</sub> and SO<sub>2</sub>)
- Additional VOC controls
  - CARB 2007 SCM for coatings
  - Auto refinishing
- Next EGU controls and ICI boilers are “Super-Regional” initiatives – OTC working with LADCO and VISTAS states on recommendations to EPA
- Co-benefits from state climate and energy programs

# EGUs: OTC Multi-Pollutant Review

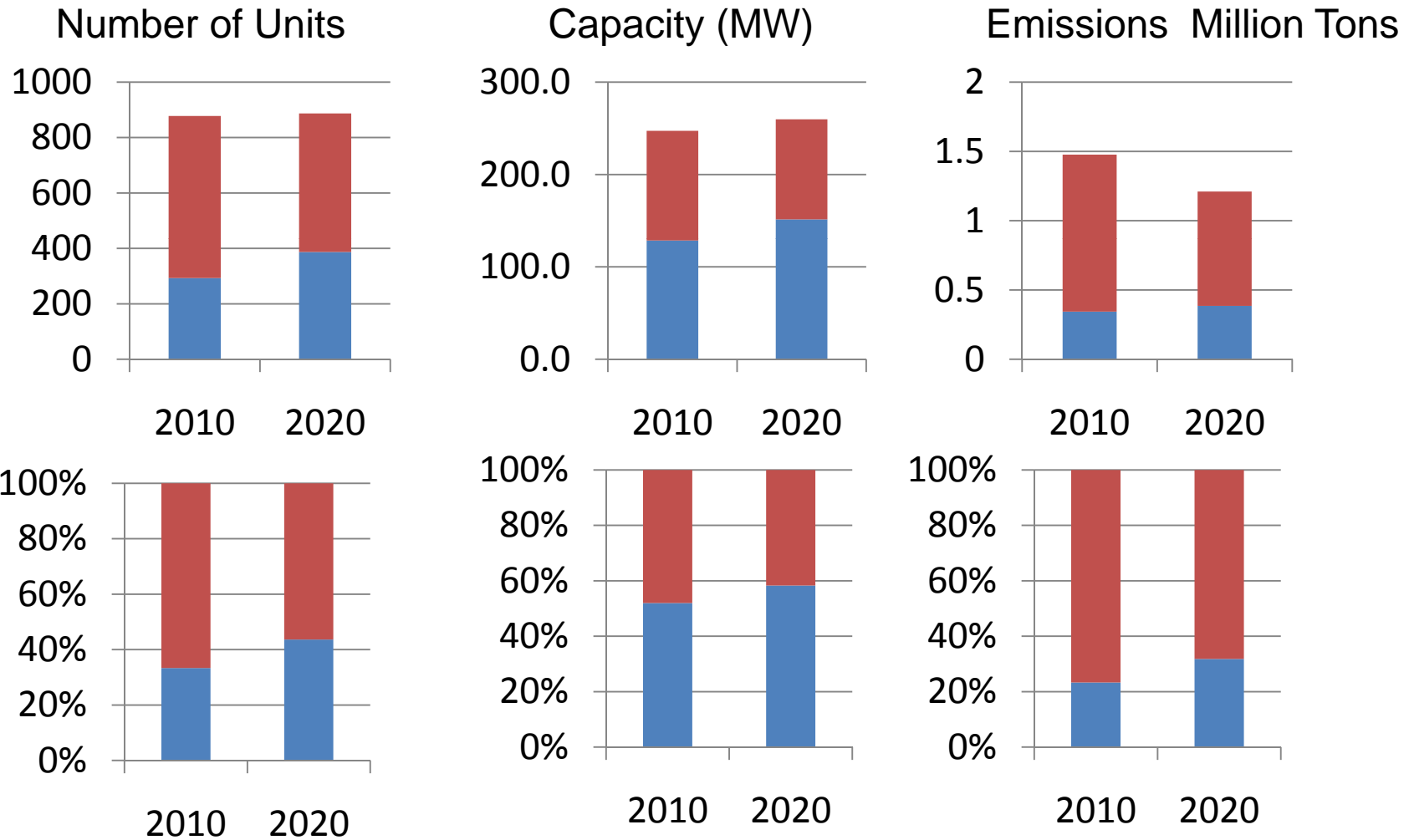
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Additional needs since OTC 2004 Multi-pollutant position:

- Inform Congressional Processes
- Revisions to Ozone NAAQS
- Non -Attainment Area Needs
- Multi-Pollutant SIPs
- Health Information

# EPA Projected Installation of NOx (SCR) Controls Under CAIR in 2010 and 2020

Controlled Uncontrolled

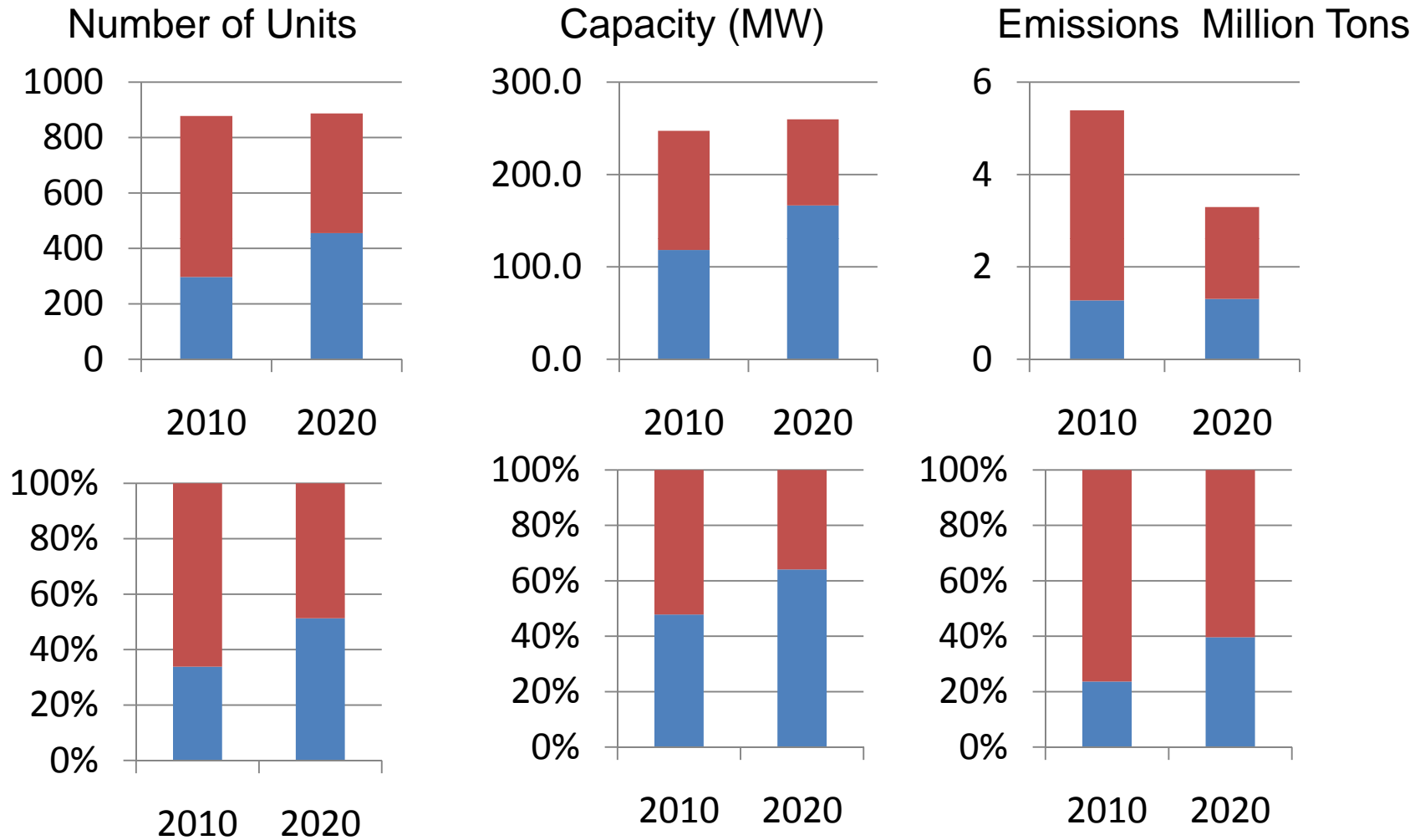


Coal fired electric generating units greater the 25 MW capacity

Source: EPA

# EPA Projected Installation of SO<sub>2</sub> (FGD) Controls Under CAIR in 2010 and 2020

■ Controlled ■ Uncontrolled



Coal fired electric generating units greater the 25 MW capacity

Source: EPA

# “Next Generation” of EGU Controls

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- Working with other RPOs on a prototype for national action on multi-pollutant control levels for a 3<sup>rd</sup> (national) phase of CAIR
- Look at more stringent rates and appropriate compliance dates
- Provide it to legislators as they continue to formulate multi-p proposals/amendments

# ICI Boiler Collaborative

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- OTC and LADCO states began working together to examine potential controls for ICI boilers in 2006
- OTC & LADCO ICI boiler emissions in 2002:
  - NO<sub>x</sub> = nearly 300,000 tons per year
  - SO<sub>2</sub> = nearly 600,000 tons per year
- OTC & LADCO states agreed on need to jointly pursue boiler controls as part of national “ask”
  - Gather data on inventory, controls and costs
  - Develop joint proposal on achievable controls for coal, gas and oil-fired boilers of various sizes
  - Take recommendation to EPA

# Potential Boiler Controls\*

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## To Reduce NOx Emissions

### Smaller boilers:

- Combustion Tuning
- Low NOx Burners
- Flue Gas Recirculation

### Larger boilers also include:

- Low NOx Catalysts
- OFA + SCR
- SNCR/Gas co-firing

## To Reduce SO2 Emissions

### Smaller boilers:

- Low sulfur fuels (oil/coal)
- Coal blending/washing

### Larger boilers also include:

- COG desulfurization
- Flue Gas Desulfurization

\*Controls under examination by OTC/LADCO – no recommendations yet



# Additional VOC Reductions

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- Auto Refinishing Model Rule
  - In process
- CA LEV II
- CARB AIM SCM
  - OTC will begin to evaluate
- Examine other sectors for potential reductions